

DIGITAL CODE ROTARY SWITCH

SKA Series

SKA Series with multiple switching functions are applicable to the machine tool's operation panel for axis selection, feed rate and override,..etc



Features

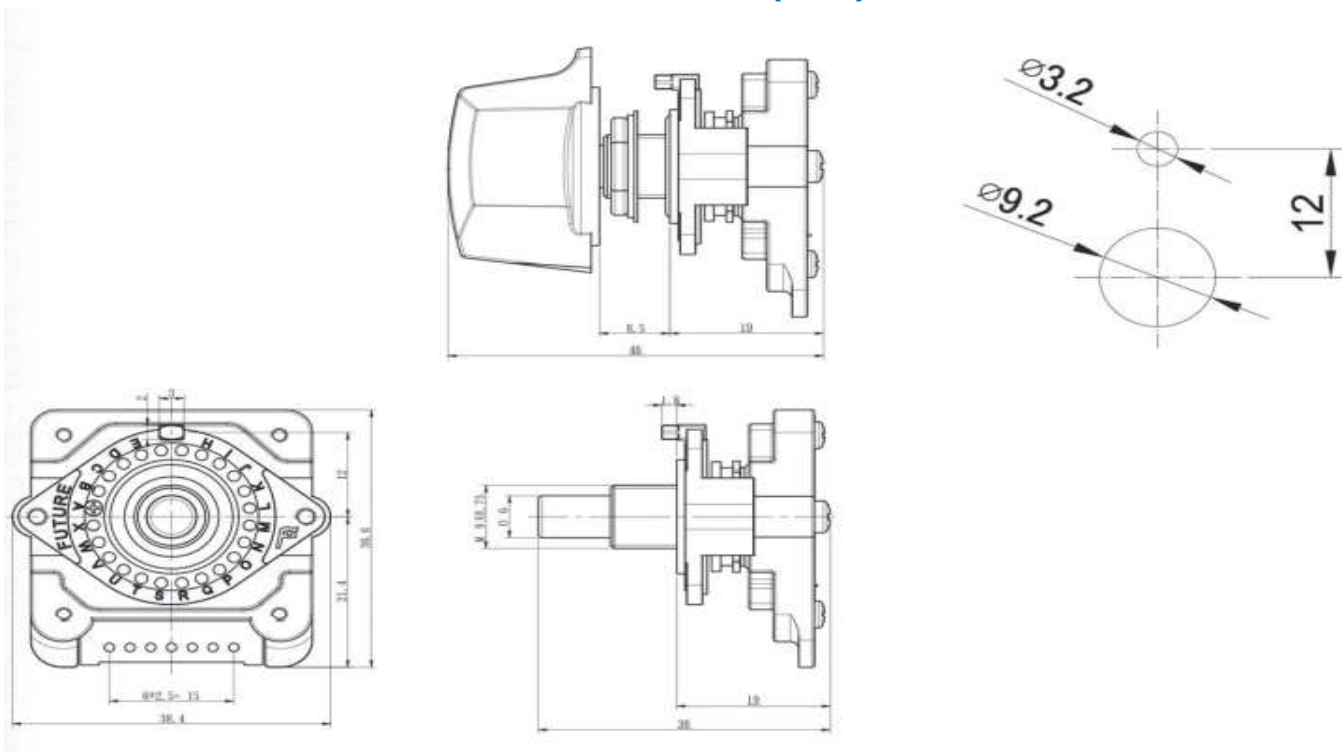
- Solid metal housing and clear graduation
- Provide 15°, 30°, 13.85° for options
- Provide various types of encoder codes for options
- With firm and skid-proof shafts
- Include inhibit and parity signal to avoid error occurrence
- Metal (Gold) coating contact points for stable and highly effective performance
- Waterproof design (IP65) and built-in o-ring
- New design for easy installation
- Save wiring operation and input signal point
- OEM / ODM accepted

SKA Specification



Type	Test Condition	Specification		
Operation Temperature	No Condensation	-10°C/+50°C		
Storage Temperature	No Condensation	-20°C/+70°C		
Mechanical	Revolution Starting Torque	0.1-0.2Nm(1-2kgf.cm)		
	Shaft Load	3Nm below		
	M9 Stopper Load	2Nm below		
	Nut Stopper Test	3Nm below		
	Vibration Test	10-55-10Hz/m 1.5mmX,Y,Z 3direction 2h		
Electrical	Contact Resistance	100mΩ below		
	Isolation Resistance	Contact contact DC250V for 1min	500mΩ above	
		Contact case DC250V for 1min		
	Withstanding Voltage	Contact contact DC250V for 1min	No exception	
		Contact case DC250V for 1min		
Rate Load	AC	5V/0.5A,50V/0.05A		
	DC	5V/0.25A,50V/0.025A		
Life Expectancy	Unload Test	60RPM	Revolution Starting Torque	±20% below
			Contact Resistance	150mΩ
			Insulation Resistance	50mΩ above
			Withstanding Voltage	No exception
Environmental	temperatures +40°C±5% Humidity 90% 48HR	Contact Resistance	150mΩ below	
		Insulation Resistance	50mΩ below	
		Withstanding Voltage	No exception	
	Heat-Test+70°C±5% 16HR	Contact Resistance	100mΩ below	
		Revolution Starting Torque	0.1-0.2Nm	
	Cold-Test-10°C±5% 16HR	Contact Resistance	100mΩ below	
Revolution Starting Torque		0.1-0.2Nm		

SKA Exterbak Dimensions&Panel Cutout(mm)



Ordering Information



SKA - N - 01 - J
 SERIES NAME - INSTALLATION - CODE - ANGLE
 SKA

N	Non - waterproof center fixed
P	waterproof center fixed

Output Encode	
01	Binary
02	Complement Binary
03	Gray
04	Complement Gray
00	PTP
OEM Order	

Step Angle		
	Angle	Step Angle
H	13.85	0-25
J	15	0-23
N	30	0-11

H TYPE CODE (360°/26) 13.85° ENCODE

Description: INH=inhibit signal ● =ON(contact to common signal)
 P=parity signal A,B,C,D,E,F,G=terminal signal

A. Digital model NO. =01,Binary output with INH output

CODE NO:01H

TERMINAL	BIT No.	SET VALUE																											
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
A	1		●		●		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●	●			●	●			●	●			●	●			●	●			●	●			●	●
B	4				●	●	●	●				●	●	●	●				●	●	●	●				●	●	●	●
E	8					●	●	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●
C	16									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D		COM																											

B. Digital model NO. =02,Complement Binary output with INH output

CODE NO:02H

TERMINAL	BIT No.	SET VALUE																											
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
A	1	●		●		●		●		●		●		●		●		●		●		●		●		●		●	
F	2	●	●			●	●			●	●			●	●			●	●			●	●			●	●		
B	4	●	●	●	●			●	●	●	●			●	●	●	●			●	●	●	●			●	●	●	●
E	8	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D		COM																											

C. Digital model NO. =03,Gray output with P output

CODE NO:03H

TERMINAL	BIT No.	SET VALUE																											
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
A	1		●	●			●	●			●	●			●	●			●	●			●	●			●	●	
F	2			●	●	●	●			●	●	●	●			●	●	●	●			●	●	●	●			●	●
B	4				●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
E	8					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C	16									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
G	P	●		●		●		●		●		●		●		●		●		●		●		●		●		●	
D		COM																											

D. Digital model NO. =04,Complement Gray output with P output

CODE NO:04H

TERMINAL	BIT No.	SET VALUE																											
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
A	1	●			●	●			●	●			●	●			●	●			●	●			●	●			
F	2	●	●				●	●	●	●			●	●	●	●			●	●	●	●			●	●	●	●	●
B	4	●	●	●	●			●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
E	8	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
G	P	●		●		●		●		●		●		●		●		●		●		●		●		●		●	
D		COM																											

